

INVITATION TO BID
AND SPECIFICATIONS
REPAIR AND EXTENSION OF CULVERT
ON MAGNOLIA HILL ROAD
TOWN OF BETHLEHEM

Sealed bids for repair and extension of culvert located at 291 Magnolia Hill Road Town of Bethlehem in accordance with specifications will be received in the office of the Board of Selectmen, 36 Main Street South, P. O. Box 160, Bethlehem, CT 06751 until 10:00 a.m. Tuesday, November 16, 2010 at which time they will be publicly opened and read. The award will be made at a later time. The Town of Bethlehem reserves the right to accept or reject any or all bids; to waive any formalities; or to accept any bid deemed to be in the best interest of the Town.

General Requirements: The culvert is currently 40 linear feet long. The Town desires to extend it an additional 8 linear feet on both the upstream and downstream sides to allow for additional material to be placed on the roadside embankments.

Specifications: To install a spirally wound PVC profile pipe to a diameter of about 66 inches. The annular space between the liner and existing pipe must then be grouted.

This will be a structural repair and therefore additional embankment material can be placed directly on and over the pipe.

The stream bed on both sides of the road will have to be prepared using some existing large boulders and rip rap for a foundation for the PVC profile pipe. Some vegetation will have to be removed to accomplish this work.

The Town desires that this project be completed using the Sekisui-SPR renewal process:

Sekisui SPR Specification Conduit Renewal Using Spiral Wound PVC Profile.

- A. General: The Contractor shall furnish all tools, equipment, materials and supplies and shall perform all labor required to complete the conduit renewal process in full conformity with the Contract Documents.

The Sekisui-SPR renewal process utilizes an extruded polyvinyl chloride (PVC) profile strip that is machine spiral wound into an existing conduit (host pipe). The extruded profile strip is mechanically locked together by virtue of the profile design and the use of the Sekisui proprietary winding machine. The installation system shall provide precise control of the internal dimensions of the newly formed PVC conduit that will ensure the specified annular grout space is maintained throughout the renewal length. The annular space is filled with a proprietary cementitious grout.

The spiral wound PVC profile renewal process shall create a rehabilitated conduit with improved chemical resistance characteristics, improved flow coefficients, and, where required, structural enhancement for the host pipe.

- B. Scope: This section covers both structural and non-structural conduit renewal applications. The renewal system is intended for circular and non-circular gravity pipe-work systems and shall be capable of being installed with little or no surface excavation and some pipeline flow. Entry point into the system will be from an outfall. When completed, the continuous, grouted in-place, machine wound PVC profile liner pipe shall extend over the contractually- specified renewal limits.

Bid must include all labor, equipment and materials to complete this project.

Contact Town of Bethlehem Public Works Director, Mark Piccirillo, 203-266-7448 or cell 203-808-2327 to arrange for site inspection.

Insurance:

1 - **Required Insurance.** Contractor shall procure and maintain, at its own cost and expense, throughout the term of the Agreement and any extension thereof, the following insurance, including any required endorsements thereto and amendments thereof:

- (a) Commercial general liability insurance alone or in combination with commercial umbrella insurance with a limit of five million (\$5,000,000.00) dollars each occurrence covering liability arising from premises, operations, independent contractors, products-completed operations, personal injury and advertising injury and liability assumed under an insurance contract (including the tort liability or another assumed in a business contract);
- (b) Business automobile liability insurance alone or in combination with commercial umbrella insurance covering any auto (including owned, hired, and non-owned autos), with a limit of not less than one million (\$1,000,000.00) dollars for each accident;
- (c) Workers' compensation with statutory limits and employers' liability limits of not less than five hundred thousand (\$500,000.00) dollars for each accident or bodily injury by accident or five hundred thousand (\$500,000.00) dollars for each employee for bodily injury by disease.

2 - **Certificates.** Within ten (10) days after the Town issues the Notice of Award, Contractor shall submit to the Town a certificate or certificates for each required insurance referenced in 1 above, certifying that such insurance is in full force and effect and setting forth the information required in 3 below. Additionally, Contractor shall furnish the Town within thirty (30) days before the expiration date of the coverage of each required insurance set for in 1 above, a certificate or certificates containing the information required by 3 below and certifying that such insurance has been renewed and remains in full force and effect.

3 - **Specific Requirements.** All policies for each insurance required hereunder shall: (i) name the Town as an additional insured (this requirement shall not apply to workers' compensation insurance, employers' liability insurance or Contractor's property and equipment insurance); (ii) include a standard severability interest clause; (iii) provide for not less than thirty (30) days' prior written notice to the Town by registered or certified mail of any cancellations, restrictive amendment, non-renewal or change in coverage; (iv) contain a waiver of subrogation holding the Town free and harmless from all subrogation rights of the insurer, and (v) provide that such required insurance hereunder is the primary insurance and that any other similar insurance that the Town may have shall be deemed in excess of such primary insurance.

4 - **Issuing Companies.** All policies for each insurance required hereunder shall be issued by insurance companies that are either licensed by the State of Connecticut and have Best's Key Rating Guide of A-VII or better, or otherwise deemed acceptable by the Town in its sole discretion.

5 - **Contractor's Subcontractors.** Contractor shall either have its subcontractors covered under the insurance required hereunder, or require such subcontractors to procure and maintain the insurance that Contractor is required to procure and maintain under this Agreement.

6 - **No Limitation on Liability.** No provision of this section shall be construed or deemed to limit Contractor's obligations under this Agreement to pay damages or other costs and expenses.